

Title (en)

METHOD FOR CORRECTING THE SPATIAL NOISE OF AN IMAGE SENSOR BY LUMINANCE LIMITATION

Title (de)

VERFAHREN ZUR KORREKTUR DES RÄUMLICHEN RAUSCHENS EINES BILDSSENSORS MITTELS LUMINANZBEGRENZUNG

Title (fr)

PROCEDE DE CORRECTION DE BRUIT SPATIAL DE CAPTEUR D'IMAGE PAR BORNAGE DES LUMINANCES

Publication

EP 2135220 A1 20091223 (FR)

Application

EP 08735582 A 20080328

Priority

- EP 2008053760 W 20080328
- FR 0702349 A 20070330

Abstract (en)

[origin: CA2682281A1] The invention relates to a method for correcting matrix image sensors and more particularly relates to a method for correcting the fixed space noise of the matrix. The method comprises collecting the signal (S_{ij} , n) from each pixel (P_{ij}) during a large number of successive images, determining for each pixel an approached value (M_{ij}) of an average of the signal from the pixel during said large number of images, correcting the signal from each pixel by adding thereto the difference between a reference average value (M_0) and the approached average value. The approached average is obtained by determining the upper and lower limit values assumed by the signal from the pixel during the large number of images and by calculating a central value between said high and low limit values.

IPC 8 full level

G06T 5/00 (2006.01); **G06T 5/50** (2006.01); **H04N 5/365** (2011.01)

CPC (source: EP US)

H04N 25/674 (2023.01 - EP US)

Citation (search report)

See references of WO 2008125462A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2914464 A1 20081003; **FR 2914464 B1 20090501**; AT E474290 T1 20100715; CA 2682281 A1 20081023; DE 602008001797 D1 20100826; EP 2135220 A1 20091223; EP 2135220 B1 20100714; JP 2010524287 A 20100715; JP 5568721 B2 20140813; US 2010134659 A1 20100603; US 8477218 B2 20130702; WO 2008125462 A1 20081023

DOCDB simple family (application)

FR 0702349 A 20070330; AT 08735582 T 20080328; CA 2682281 A 20080328; DE 602008001797 T 20080328; EP 08735582 A 20080328; EP 2008053760 W 20080328; JP 2010500295 A 20080328; US 59419108 A 20080328